

To our customers,

Old Company Name in Catalogs and Other Documents

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Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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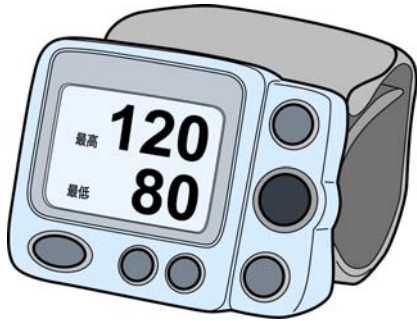
Applications

血压计

从此处获得瑞萨最新应用方案信息

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概要



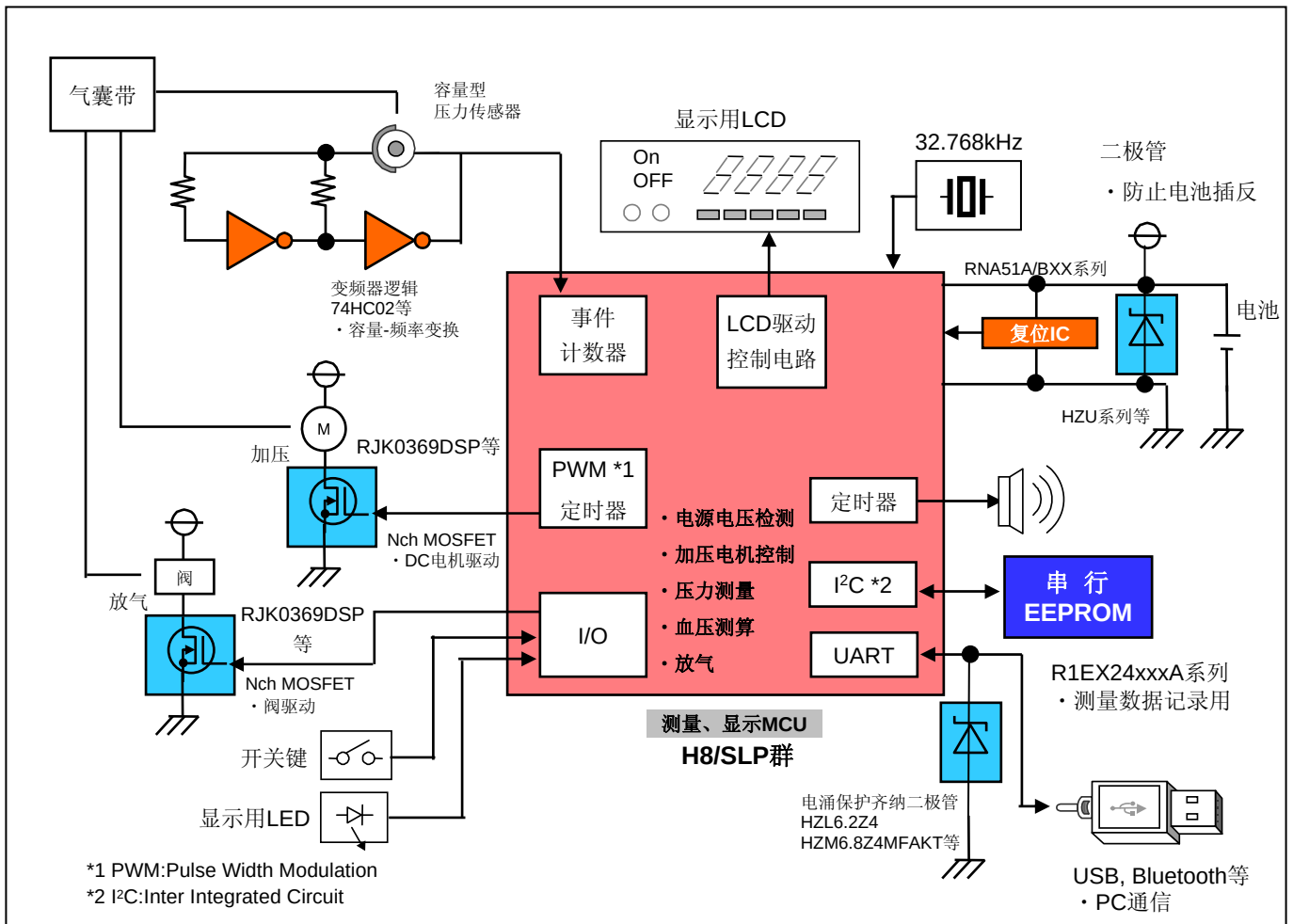
血压计作为健康电子产品的代表，近年来在众多家庭中迅速普及。随着上臂式血压计的广泛普及，可以轻松测量的手腕式血压计的需求也日益增加，而装置的小型化、电池的高寿命化就变得尤为必要。此外，为了测量数据的共享，以及在哪儿都可以调出数据，就必须加强电脑或手机与USB / Bluetooth使用的通信功能，向泛网社会发展。

根据电池的高寿命化，或装置的小型化可以降低所需电池的数量，因此需要低功耗。血压的测量是压力传感器通过变频电路来改变频率的，因此使用定时器来计量的方法得以普及。另外，内置对测量用气囊带加压的PWM定时器，以及支持通信功能的UART也是必须。

瑞萨拥有丰富的MCU产品线，其中，H8/SLP群内置LCD驱动控制电路，可实现低功耗，并内置了血压计所需的外围功能，此外还内置看门狗定时器(WDT)、实时时钟(RTC)，降低外置元件，实现成本的降低。

系统框图

2009年12月最新信息



所推荐的瑞萨元件
 2009年12月最新信息

Block	半导体	推荐产品名	特点等
主控制部分	MCU	H8/SLP群	内置LCD驱动器、低功耗
	EEPROM	R1EX24xxxA系列	I ² C总线接口
	复位IC	RNA51 Axx/Bxx系列	CMOS复位IC
通用 浪涌吸收 保护电路等	齐纳二极管	HZU/HZC系列	2引脚表面贴装
		HZMxNB系列	3引脚（内有一个元件）表面贴装
	开关二极管	HSU119/HSC119	2引脚表面贴装
		HSM2838C、HSM123	3引脚（内有两个元件）表面贴装
	肖特基二极管	HRC0103C	2引脚表面贴装（低VF、低漏电流）
		HRB0502A	3引脚表面贴装（低VF）
		RKR0202AQE	3引脚表面贴装（低VF）
USB接口	浪涌保护用 齐纳二极管	HZL6.2Z4	低电容型 内有一个元件
		RKZ6.8Z4MFAKT	低电容型 内有四个元件

相关应用手册/参考代码	
名称	文档编号
功率MOS FET应用手册	REJ05G0001-0200

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